



**“EVIDENCE is POWER”**

-School of Data

# MAKING DATA WORK FOR COMMUNITIES PROJECT

using data for advocacy

# DATA versus OPEN DATA

## Consolidated Statements of Cash Flows

Years ended March 31

Amounts in millions of Canadian dollars	2007	2006	2005
		Restated (Note 1)	Restated (Note 1)
<b>Operating Activities</b>			
Net earnings (loss)	\$ 127.4	\$ 63.6	\$ (199.6)
Results of discontinued operations (Note 4)	1.7	6.0	(104.8)
Earnings (loss) from continuing operations	129.1	69.6	(304.4)
Adjustments to reconcile earnings to cash flows from operating activities:			
Impairment of goodwill, tangible and intangible assets (Note 5)	—	—	443.3
Depreciation	55.0	52.5	55.1
Amortization of deferred financing costs	0.8	2.2	7.2
Amortization and write down of intangible and other assets	15.8	22.9	19.7
Future income taxes	(14.2)	5.1	(114.1)
Investment tax credits	19.3	(11.8)	(29.2)
Stock-based compensation plans (Note 17)	24.6	12.2	5.5
Employee future benefit — net	(0.9)	(2.0)	0.9
Other	(10.4)	(3.9)	11.2
Changes in non-cash working capital (Note 19)	20.2	79.1	84.2
Net cash provided by continuing operating activities	239.3	225.9	179.4
Net cash provided by discontinued operating activities	—	2.1	21.6
<b>Net cash provided by operating activities</b>	<b>239.3</b>	<b>228.0</b>	<b>201.0</b>
<b>Investing Activities</b>			
Business acquisitions (net of cash and cash equivalents acquired) (Note 2)	(4.4)	2.6	(13.8)
Proceeds from disposal of discontinued operations (net of cash and cash equivalents disposed) (Note 4, 19)	(3.8)	(4.9)	239.4
Capital expenditures	(158.1)	(130.1)	(118.0)
Proceeds from sale and leaseback of assets	—	—	43.8
Deferred development costs	(3.0)	(1.8)	(9.9)
Deferred pre-operating costs	(5.0)	(0.7)	(1.7)
Other	(2.9)	(9.9)	4.2
Net cash (used in) provided by continuing investing activities	(178.1)	(144.8)	144.0
Net cash used in discontinued investing activities	—	(2.3)	(5.8)
<b>Net cash (used in) provided by investing activities</b>	<b>(178.1)</b>	<b>(147.1)</b>	<b>138.2</b>
<b>Financing Activities</b>			
Net borrowing under revolving unsecured credit facilities (Note 12)	(0.6)	(30.7)	(273.7)
Proceeds from long-term debt (Note 12)	45.8	32.1	3.4
Reimbursement of long-term debt (Note 12)	(99.8)	(65.7)	(50.5)
Dividends paid	(9.8)	(9.7)	(24.0)
Common stock issuance (Note 15)	10.0	8.0	3.6
Other	(2.1)	11.6	0.7
Net cash provided by (used in) continuing financing activities	3.5	(54.4)	(340.5)
Net cash provided by discontinued financing activities	—	1.2	3.2
<b>Net cash provided by (used in) financing activities</b>	<b>3.5</b>	<b>(53.2)</b>	<b>(337.3)</b>
<b>Effect of foreign exchange rate changes on cash and cash equivalents</b>	<b>4.4</b>	<b>(8.1)</b>	<b>(2.3)</b>
<b>Net increase (decrease) in cash and cash equivalents</b>	<b>69.1</b>	<b>19.6</b>	<b>(0.4)</b>
Cash and cash equivalents at beginning of year	81.1	61.5	61.9
<b>Cash and cash equivalents at end of year</b>	<b>\$ 150.2</b>	<b>\$ 81.1</b>	<b>\$ 61.5</b>
<b>Cash and cash equivalents related to:</b>			
Continuing operations	\$ 150.2	\$ 81.1	\$ 57.1
Discontinued operations (Note 4)	—	—	4.4
	\$ 150.2	\$ 81.1	\$ 61.5

Supplementary Cash Flows Information (Note 19)

The accompanying notes form an integral part of these Consolidated Financial Statements.

## PHILIPPINE PESO PER US DOLLAR EXCHANGE RATE 2015

This dataset contains the daily, monthly and annual average of Philippine Peso-US Dollar exchange rate.

[HTML](#) [DOCX](#) [PDF](#) [XLS](#)

PESOS PER US DOLLAR RATE <sup>1</sup>					
1945-2014					
	Period	Average	% Appreciation(+)/ Depreciation(-)	Volatility <sup>1</sup>	End-of-Period
1945		2.0000	n.a.	n.a.	n.a.
1946		2.0000	0.00	n.a.	n.a.
1947		2.0000	0.00	n.a.	n.a.
1948		2.0000	0.00	n.a.	n.a.
1949		2.0000	0.00	n.a.	n.a.
1950		2.0000	0.00	n.a.	n.a.

# PH-EITI



**Table 17. Semirara Mining and Power Corporation Annual Volume of Coal Export (in mmt and as percentage of Philippine total production), and Value of Coal Export (in PHP and as percentage Philippine total exports) , 2007-2014**

Year	Volume of Exports (in mmt)	% of the country's total coal output	Value of coal export (in '000 PHP)	% of the country's total exports
2007	0.799	21.38	1,133,976	0.04
2008	0.993	24.97	1,841,465	0.06
2009	2.262	43.70	4,247,241	0.16
2010	4.099	55.87	8,926,588	0.28
2011	2.430	31.93	7,160,713	0.23
2012	3.173	38.92	7,010,021	0.22
2013	3,401	43.27	7,286,181	0.29
2014	5,246	62.31	11,351,661	0.41

Source: ERDB and Semirara Mining Corp. Consolidated Financial Statements, 2007-2014



## Mining

	Reconciled nickel (with net sales of PHP1bn and above)	Reconciled copper/gold/ silver/zinc (with net sales of PHP1bn and above)	Reconciled chromite (with net sales of PHP1bn and above)	Reconciled Subtotal (with net sales of PHP1bn and above)	Reconciled (others)	Total reconciled amounts
<b>BIR</b>						
Excise tax on minerals	552,934,790	879,607,067	3,061,339	1,435,603,196	50,431,139	1,486,034,335
Corporate income tax	1,235,747,344	247,479,047	537,054	1,483,763,445	66,158,606	1,549,922,051
Withholding tax - foreign shareholder dividends	189,591,000	-	-	189,591,000	-	189,591,000
Withholding tax - royalties to claim owners	18,947,368	81,521,278	-	100,468,646	30,157,160	130,625,806
<b>BOC</b>						
Custom duties	12,283,479	111,336,533	7,174	123,627,186	1,377,468	125,004,654
VAT on imported materials and equipment	66,792,658	629,599,433	346,462	696,738,553	4,867,584	701,606,137
<b>LGU</b>						
Local business tax	76,393,140	120,868,203	48,615	197,309,958	36,427,938	233,737,896
Real property tax - basic	4,513,448	62,659,993	90,625	67,264,066	11,547,723	78,811,789
Real property tax - special education fund	3,735,644	33,125,016	90,625	36,951,285	11,124,379	48,075,664
<b>MGB</b>						
Royalty on mineral reservation	795,179,095	-	7,618,949	802,798,044	94,012,613	896,810,657
<b>NCIP</b>						
Royalty for IPs	157,403,245	84,721,060	-	242,124,305	-	242,124,305
<b>Total</b>	<b>3,113,521,211</b>	<b>2,250,917,630</b>	<b>11,800,843</b>	<b>5,376,239,684</b>	<b>306,104,610</b>	<b>5,682,344,294</b>

### *Oil and gas*

	Reconciled - (with net sales of PHP1bn and above)	Reconciled (others)	Total reconciled amounts
<b>BIR</b>			
Corporate Income Tax	9,936,139,482	-	9,936,139,482
Withholding tax - Profit remittance to principal	3,139,363,122	-	3,139,363,122
<b>DOE</b>			
Government share from oil and gas production	22,247,984,129	-	22,247,984,129
<b>Total</b>	<b>35,323,486,733</b>	<b>-</b>	<b>35,323,486,733</b>



**Carmen Copper Corporation**

Government agency revenue stream	Company amount	Government agency	Variance pre-recon	Reconciled Amount	Variance post recon	Reason
Rehabilitation Cash Fund - Actual Expenditure	-	-	-	-	-	I
Monitoring Trust Fund - Actual Expenditure	-	-	-	-	-	I
Environmental Trust Fund - Actual Expenditure	-	-	-	-	-	I
Final Mine Rehabilitation and/or Decommissioning Fund - Actual Expenditure	-	-	-	-	-	I
Mine wastes & Tailing fees	-	-	-	-	-	I
Annual EPEP	-	303,041,572	60,261,369	363,302,941	-	D
Social Development & Management (host and neighboring communities)	-	33,747,495	-	33,747,495	-	I
Mining Technology and Geosciences advancement	-	-	-	-	-	I
Information, Education & Communication (IEC)	7,162,623	7,162,633	(10)	7,162,623	-	D
Safety and Health Programs	-	11,821,793	(11,821,793)	-	(11,821,793)	F
<b>Subtotal</b>	<b>404,213,059</b>	<b>355,773,493</b>	<b>48,439,566</b>	<b>404,213,059</b>	<b>(11,821,793)</b>	

Table 33. Survey of MMT Reports for 2013

Company		1st Semester			2nd semester		
		ASDMP	AEPEP	SHP	ASDMP	AEPEP	SHP
1	AAM-Phil Natural Resources Exploration and Development Corporation	X	X	X	X	X	X
2	Adnama Mining Resources Incorporated	X	X	X	X	X	X
3	Apex Mining Company inc.	-	X	-	-	-	-
4	Benguet Nickel Mines, Inc.	-	X	X	-	X	X
5	Cagdianao Mining Corporation	X	X	X	X	X	X
6	Cambayas Mining Corporation	X	-	X	X	-	X
7	Carmen Copper Corporation	X	X	X	X	X	X
8	Carrascal Nickel Corporation	X	X	X	X	X	X
9	Eramen Minerals, Inc.	-	X	X	-	X	X
10	Filminera Resources Corporation	-	-	-	X	-	-
11	Greenstone Resources Corporation	X	X	-	X	X	-

Are all these relevant to specific audiences i.e., communities?

Nonetheless, the information disclosed in this Report is considered sufficient representation of the extractive industries cited above based on the profile of companies that participated, which reported the most sales or at least PHP1bn in 2013 (referred to as material companies in this Report and limited to large-scale metallic for mining sector). Sales (or revenue per financial statements) remains one of the primary drivers in the calculation of most revenue streams. Table 34 discloses the percentage of total sales of material companies to respective sectors as follows:

Is it in a format/language  
understandable by the  
community?



Data for whom?

What is your advocacy?

Who is your Audience?

Who are you trying to persuade?

What do they need to know?





A **user story** is a brief statement that identifies the **user**, their **need**, why the need it.

Personas are realistic personality profiles that represent your **key audiences**, for reference in **strategy** and **design**.

I am a/the<insert **persona**>,  
I want to know <insert **need**>  
so that I can <insert intended  
impact>.

Example: As a mayor,  
I want to know how much are  
we receiving from mining  
so that I can assess if we need  
to raise tax on mining  
operations.

# Example:

As a **local journalist** ...

1. I want to quickly **access the terms of my government's contracts** so that I can provide concrete evidence in my report and **tell meaningful stories about the impact** of contracts on people's lives.

Who is the data user?  
What is user's needs?

# Today's Objective:

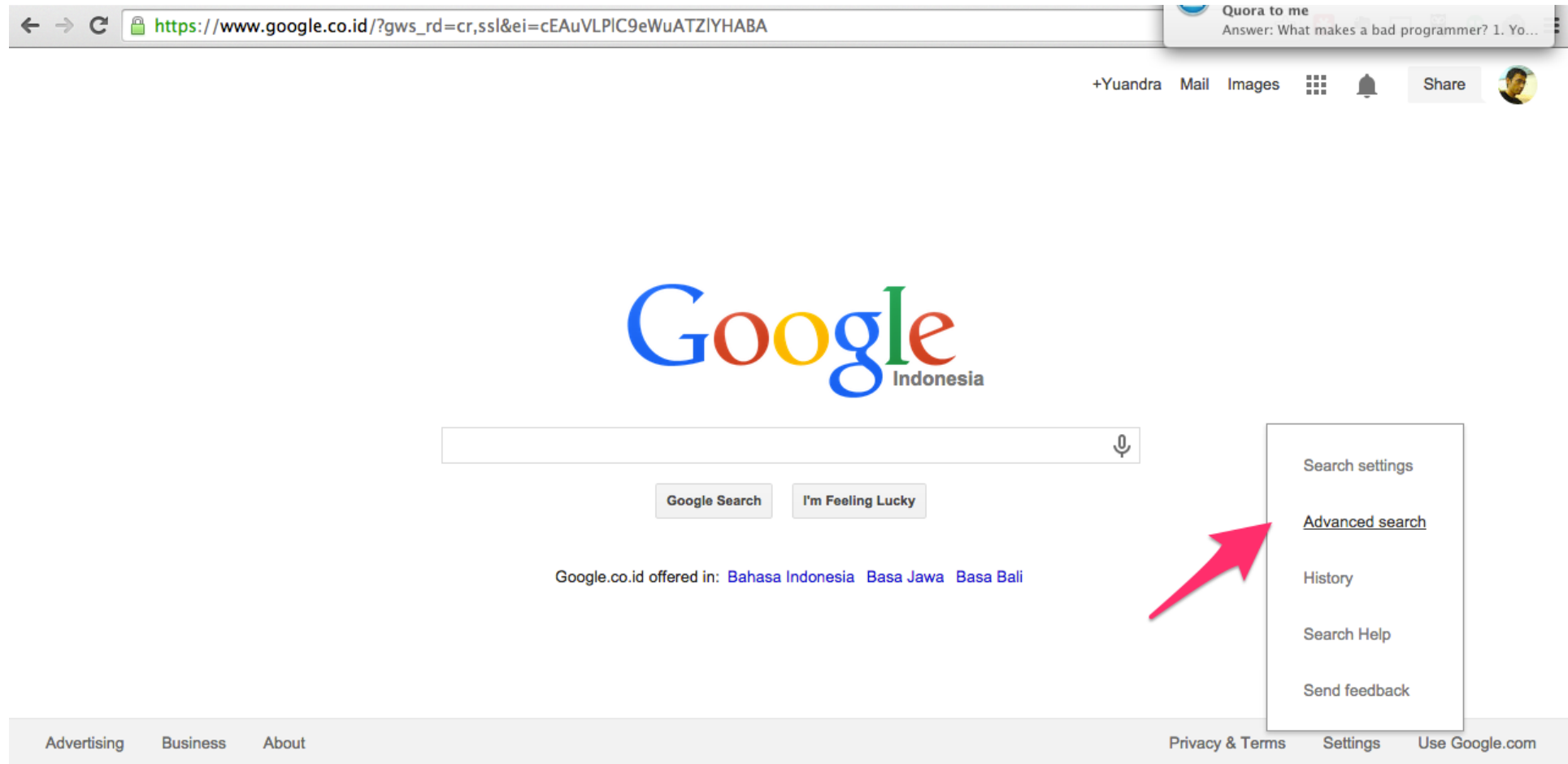
Come up with a contextualized **material** using data from the **DATA Portal** to persuade 1 persona in your community to forward your advocacy.



# The Data Pipeline



# Data Collection: Google Advanced Search



# Data Collection: Tabula

## Tabula



Tabula is a tool for liberating data tables locked inside PDF files.

[View the Project on GitHub](#)  
jazzido/tabula

Download for  
**Windows**

Download for  
**Mac**

View source on  
**GitHub**

**Current Version:** [0.9.6](#) for Mac/Linux

**Note:** Due to [an issue](#), Tabula 0.9.6 for Windows has been taken down temporarily; the latest version for Windows is [0.9.5](#).

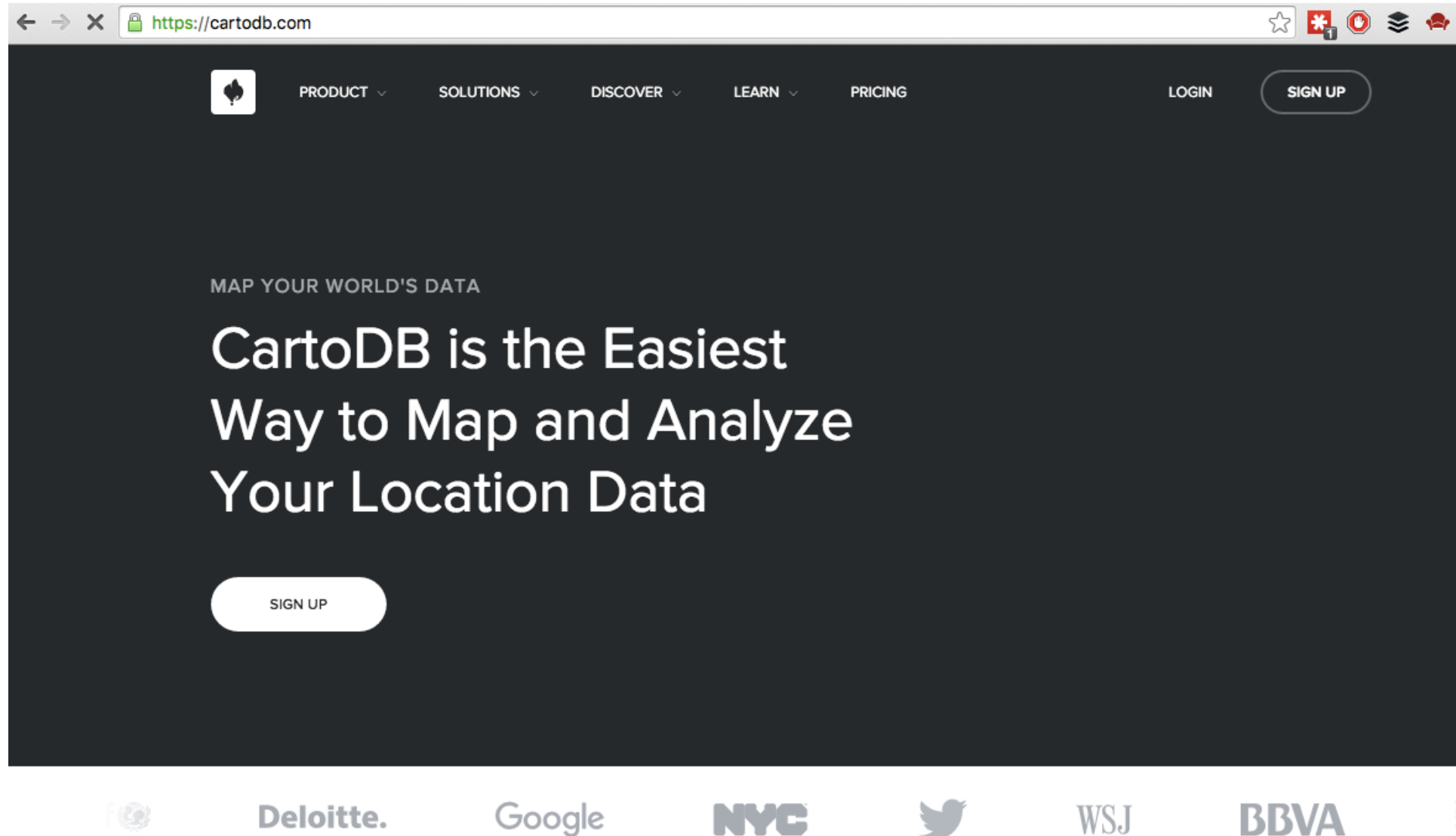
**Other Versions:** [pre-releases & archives](#)

**Need help?** Open an [issue on Github](#).

# Data Collection: KoboToolBox



# Analyzing Data: CartoDB



# Visualizing Data: PiktoChart

The screenshot shows the PiktoChart website interface. At the top, the browser address bar displays 'piktochart.com'. The website's navigation bar includes the PiktoChart logo, links for Home, Tour, Pricing, Gallery, Blog, and Resources, and buttons for LOGIN and SIGN UP. The main headline reads 'MAKE YOUR OWN INFOGRAPHICS' with the subtext 'MAKING INFORMATION BEAUTIFUL HAS NEVER BEEN EASIER'. A prominent orange button says 'START FOR FREE'. Below this, four sample infographics are displayed: 'What are INFOGRAPHICS', 'Easy Steps for MODERN PARENTING', 'St. Patrick's Day', and 'real estate'. A 'techweek CITY PARTNER NEW YORK 2014' badge is visible in the bottom left corner.

← → ↻ [piktochart.com](#) ☆ [Social Icons]

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**MAKE YOUR OWN INFOGRAPHICS**  
MAKING INFORMATION BEAUTIFUL HAS NEVER BEEN EASIER

**START FOR FREE**

**What are INFOGRAPHICS**  
According to wikipedia, Information graphics or infographics are graphic visual representations of information, data or knowledge intended to present complex information quickly and clearly.

**Easy Steps for MODERN PARENTING**  
Guide for Moms & Dads

**Parenting**  
Raising a happy, healthy child is one of the most challenging jobs a parent can have — and also one of the most rewarding. Yet many of us don't approach parenting with the same focus we would use for a job.

**St. Patrick's Day**  
A few things you may not know about...  
MARCH 17  
St. Patrick's Day is a national holiday celebrated by the Irish in Europe in the 18th and 19th century. It was only much later that the holiday became known as the patron saint of Ireland.

**real estate**  
EDIT HERE  
Double-click here to enter your description.

**WHAT IS RIGHT FOR YOU?**  
NO MATTER WHAT STAGE YOU'RE AT IN LIFE, DECIDING WHERE TO LIVE IS AN IMPORTANT PART OF YOUR FUTURE.

**apartments**  
A two-to three-story unit that shares a common wall or walls with neighbouring units while sitting on its own lot.

**townhouse**  
A two-to three-story unit that shares a common wall or walls with neighbouring units while sitting on its own lot.

**techweek**  
CITY PARTNER  
NEW YORK 2014



# Visualizing Data





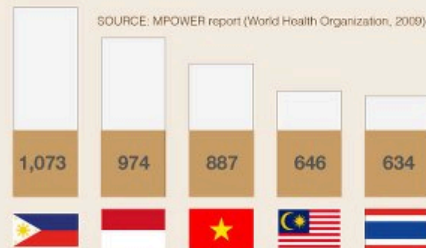


# SMOKING IN THE PHILIPPINES

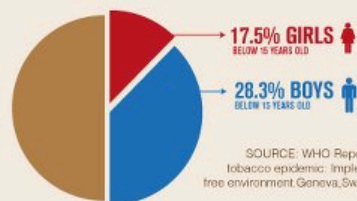
PHILIPPINES is the top smoking country in South East Asia

ON AVERAGE, EACH FILIPINO CONSUMES

**1,073 sticks**  
per year



## TOTAL SMOKERS:



## POORER PEOPLE SMOKE MORE



## ESTIMATED DEATHS DUE TO SMOKING

Smoking is the #1 preventable risk factor.

SOURCE: National Nutrition and Health Survey, 2008

Risk Factor	Heart Attack Deaths	Cardiovascular Disease Deaths	Total Deaths
Smoking	19,315	29,184	48,499
Cholesterol	8,799	4,053	12,852
Obesity	14,840	20,207	35,047
HPV	15,559	25,401	40,960
Diabetes	3,326	6,864	10,190



An estimated 10 Filipinos die every hour due to smoking-related diseases.

**THAT'S 240 DEATHS A DAY,  
AND 87,000 A YEAR.**

The current structure for taxing cigarettes in fact encourages cheaper cigarettes which results in more smokers.

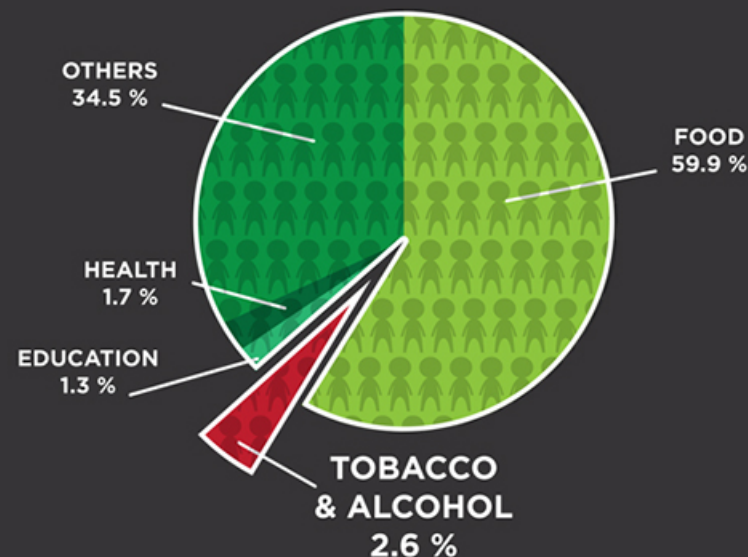
This results in foregone revenue of **19.5 billion pesos**. Had cigarettes been taxed properly and equitably, this money could have gone to:



- + Influenza and Pneumonia vaccine to 11M senior citizens
- + 203,125 RN Heals nurses
- + Various vaccines to 9M children
- + Rotavirus vaccine to 29M children
- + Premium subsidy to 8M indigent families in PhilHealth

# BUDGET ALLOCATION OF LOW INCOME HOUSEHOLDS

Diba **"HEALTH IS WEALTH?"**



Eh bakit mas gumagastos pa para sa yosi at alak?

The poorest households spend for tobacco and alcohol more than they spend for education or health care. If the percentage allocated to sin items is reallocated to food, more of the daily caloric requirement for children is gained, resulting in a healthier Filipino youth. If the real Bawas Bisyo Bill is put to law, accessibility and affordability of tobacco and alcohol will be reduced.

**PASS THE REAL**



# 47,744 PEOPLE ARE CURRENTLY LIVING WITH DEMENTIA IN IRELAND

30,359  
WOMEN



17,385  
MEN



Cahill, S. & Pierce, M (2013) The Prevalence of Dementia in Ireland. Genio Dementia Learning Event

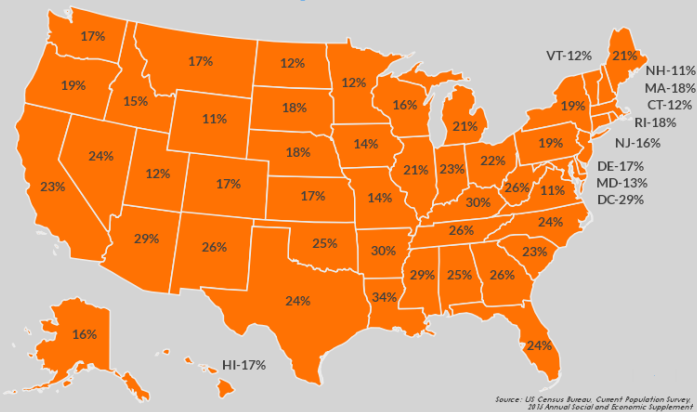


THE ALZHEIMER  
SOCIETY OF IRELAND



# CHILD POVERTY

How many children live in poverty in my state?



More than 15 million

children younger than 18 live in poverty in the US



30% of these children are younger than 5

Source: US Census Bureau, Current Population Survey, 2012 Annual Social and Economic Supplement

22% of all children live in a household that is food insecure at some point during the year



66%

of all children ages 6 to 12 have at least 1 available parent in the labor force

63%

of low-income 3 and 4 year olds do not attend a preschool program, compared to 45% of their more affluent peers

46%

of all children live in households with parent(s) who have at least a high school diploma or GED

36%

of all children live in households that spend more than 30% of their monthly income on housing

Source: 2011 KIDS COUNT Data Center

## IMPACT OF ABILITY HOUSING



persons permanently exited HOMELESSNESS



ADDED \$38 MILLION revenue to local COMMUNITY



OPERATE 255 units of housing

In 2013



OVER 50 adults with a disability enabled to live independently in the community

INCREASED



Property values



Residents' economic self-sufficiency

DECREASED



Community's crime



Police and jail expenses



Community's medical expenses



Use of emergency services

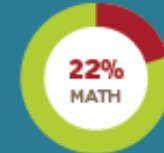
## IMPACT OF HOMELESSNESS

OVER 1900 Homeless Students in Duval County



One of six homeless children has emotional disturbances – a number that is **twice** the rate of their peers.

HOMELESS elementary students score at only



of homeless school-age children actually attend school.



of Jacksonville residents live below the poverty line.



of low-income families pay more than 60% of their limited income for housing.

According to the USICH the **mortality rate** for persons experiencing chronic homelessness is: **4-9 times higher** than the general population.



HOMELESS LIFE EXPECTANCY



10 YRS LOWER



7 YRS LOWER

Jacksonville 14th ranked city

Florida has 3rd largest homeless population

2,500 estimated number of homeless persons in Jacksonville on any given day

Data provided by National Center on Family Homelessness and United States

Thank You!  
Questions?

# 3 Steps

Choose an advocacy

Choose a persona

Create a contextualized material

# FLOW OF THE WORKSHOP

BRAINSTORMING (30mins)

**REFINING IDEAS (20 mins)**

FINALIZE IDEAS (30 mins)

ELEVATOR PITCH (20 mins)

# Personas to choose from:

- Youths and/or students
- Sangguniang Bayan/Panlalawigan
- Mayor/Governor
- Local Civil Society Organizations
- Family
- Farmer/fisherman affected by mining
- Community leaders



# Advocacy to choose from:

- Raise awareness of negative environmental effects of mining (what are chemicals used?)
- Raise awareness of revenues communities receive from mining (how much did mining companies pay? How much went to the LGU and community?)
- Account for revenues LGUs and communities receive from mining (how did the LGU and community spend the revenues?)
- Raise transparency at the local level (what do we know and NOT know?)

# Advocacy to choose from:

- Raise taxes on nonmetallic resources (how much did we receive from quarry operators? Is it enough?)
- Account for local taxes collected on metallic and nonmetallic mining operation (how did LGU spend nonmetallic mining revenues?)
- Holding companies and government accountable (is the company and government agency concerned following the law?)

# WARM UP ACTIVITY: TEAMWORK

# Mining Affected Community Mapping Project